

## COMBINED DECLARATION AND POWER OF ATTORNEY

## FOR PATENT APPLICATION

(Page 1)

As a below named inventor, I hereby declare that:

COPY

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled BEAM ROTATION ANGLE DETECTING APPARATUS, ROTATION DETECTING APPARATUS AND BEAM ROTATION ANGLE DETECTING METHOD

the specification of which  is attached hereto  was filed on October 11, 2000 as United States Application No. or PCT International Application No. 09/685,930 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b), of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designates at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed:

Country	Application No.	Filed (Day/Mo./Yr.)	(Yes/No) Priority Claimed
JAPAN	11-289413	12 October 1999	YES
JAPAN	2000-280036	14 September 2000	YES

I hereby appoint the practitioners associated with the firm and Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with that Customer Number:

FITZPATRICK, CELLA, HARPER & SCINTO  
Customer Number: 05514

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor KENICHI KATAOKA

Inventor's signature Kenichi Kataoka

Date November 10, 2000 Citizen/Subject of JAPAN

Residence 8-21, Hirado 5-chome, Totsuka-ku, Yokohama-shi,

Kanagawa-ken, Japan

Post Office Address c/o Canon Kabushiki Kaisha

30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan

Full Name of Second Joint Inventor, if any \_\_\_\_\_

Second Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Citizen/Subject of \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

**COPY** SOLE  
(AFTER APPLICATION FILED)

## ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, I, KENICHI KATAOKA  
 citizen of JAPAN  
 residing at  
 8-21, Hirado 5-chome, Totsuka-ku, Yokohamá-shi, Kanagawa-ken,  
 Japan  
 hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA  
 a corporation of Japan  
 having a place of business at 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, Japan  
 its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for  
 the United States, in and to certain inventions relating to  
 BEAM ROTATION ANGLE DETECTING APPARATUS, ROTATION DETECTING  
 APPARATUS AND BEAM ROTATION ANGLE DETECTING METHOD

and described in an application for Letters Patent of the United States filed by me on October 11, 2000  
 and which has been accorded Application No. 09/685,930  
 and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United  
 States which may be granted, thereon, and all reissues and extensions thereof; and I hereby authorize and request the  
 Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the  
 Assignee or to such nominees as it may designate.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent  
 or other form of protection for said inventions, the benefit of the right of priority provided by the International Convention  
 for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and  
 to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any  
 assignment, consent to file or like document which may be required in the United States for any purpose and more  
 particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority  
 provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention  
 which may henceforth be substituted for it.

AND I hereby covenant that I have the full right to convey the entire right, title and interest herein assigned and  
 that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me  
 pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing  
 and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper  
 to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in  
 the United States.

By: *Kenichi Kataoka*  
 KENICHI KATAOKA

Date: November 10, 2000

Form PTO-1595  
1-31-92

TRANSMITTAL OF DOCUMENT  
PATENTS ON

02/16/2001

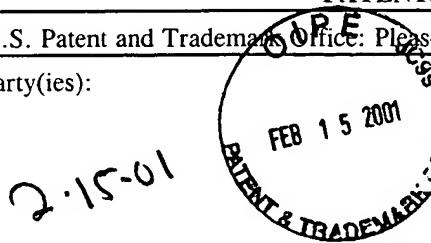


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To the Director, U.S. Patent and Trademark Office: Please recd.

1. Names of conveying party(ies):

Kenichi KATAOKA



Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: November 10, 2000

2. Name and address of receiving party(ies):

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku,  
Tokyo, Japan

Domestic Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application Number: 09/685,930

Filing Date: October 11, 2000

B. Title of Invention

BEAM ROTATION ANGLE DETECTING  
APPARATUS, ROTATION DETECTING  
APPARATUS AND BEAM ROTATION ANGLE  
DETECTING METHOD

Additional numbers attached?

Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3801

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One

7. Total fee (37 CFR 3.41): . . . \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.*

Justin J. Oliver - Reg. No. 44,986

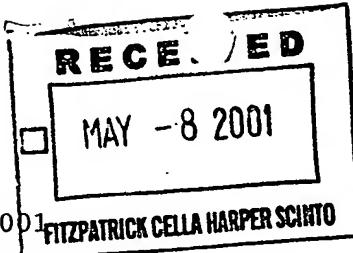
Name of Person Signing

Signature

February 15, 2001

Date

Total number of pages including cover sheet, attachments, and documents: 2



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 02, 2001 FITZPATRICK CELLA HARPER SCINTO

PTAS

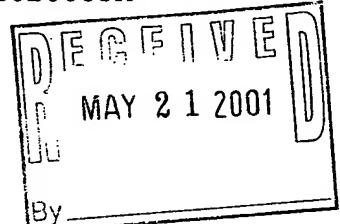
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\*101620083A\*

FITZPATRICK, CELLA, HARPER & SCINTO  
JUSTIN J. OLIVER  
30 ROCKEFELLER PLAZA  
NEW YORK, NY 10112-3801

35C14863



UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/15/2001

REEL/FRAME: 011526/0508

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KATAOKA, KENICHI

DOC DATE: 11/10/2000

ASSIGNEE:

CANON KABUSHIKI KAISHA  
30-2, SHIMOMARUKO 3-CHOME, OHTA-KU  
TOKYO, JAPAN

SERIAL NUMBER: 09685930

FILING DATE: 10/11/2000

PATENT NUMBER:

ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

02-26-2001

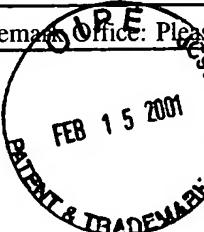


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Name of Person Signing

Signature

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and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper  
to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in  
the United States.

By: *Kenichi Kataoka*  
KENICHI KATAOKA

Date: November 10, 2000